

WHAT IS CLAIMED IS

1. A coolant in a state of solution in which a water-soluble substance is dissolved, wherein a sodium nitrite is added as additive by an amount of not less than 0.345 weight % for preventing crevice corrosion from causing.

2. The coolant according to claim 1, wherein said water-soluble substance includes amine and inorganic salt.

3. A coolant in a state of solution comprising  $0.1\text{MNa}_2\text{CO}_3$ ,  $0.01\text{MNaCl}$ , 2 weight % of coolant solution, and a sodium nitrite added as additive by an amount of not less than 0.345 weight %.

4. A coolant in a state of solution comprising  $0.1\text{MNa}_2\text{CO}_3$ ,  $0.01\text{MNaCl}$ , 2 weight % of surface active agent, and a sodium nitrite added as additive by an amount of not less than 0.069 weight %.

5. A machining device, wherein a structural member of the machining device is composed of a material which reacts with a coolant including a sodium nitrite as additive by an amount of not less than 0.345 weight % for preventing

. crevice corrosion from causing.

6. The machining device according to claim 3, wherein said material constituting the structural member is a carbon steel for constituting the machine structure includes carbon of 0.07 to 0.61 weight %.